

Amendment and Response

Serial No.: 08/892,902

Confirmation No.: 7374

Filed: 14 July 1997

For: MICROPOROUS INKJET RECEPTORS CONTAINING BOTH A PIGMENT MANAGEMENT SYSTEM AND A FLUID MANAGEMENT SYSTEM

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about 2.0 μ m, and wherein the pore size is a bubble point pore size measured according to ASTM F-316.

30
35. (AMENDED) A method of making an inkjet receptor medium comprising:

- (a) preparing a pigment management system;
- (b) imbining the pigment management system into pores of a porous membrane of a synthetic polymer, wherein the pigment management system once imbibed into pores of the porous membrane comprises a multivalent metal salt coating along the surfaces of the pores of the porous substrate; and
- (c) imbining a fluid management system into the pores of the porous membrane wherein the fluid management system comprises a surfactant, and further wherein the size of the pores of the porous membrane is at least 0.2 μ m, and is no greater than about 2.0 μ m, and wherein the pore size is a bubble point pore size measured according to ASTM F-316.

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36. (AMENDED) An inkjet receptor medium comprising a porous substrate comprising a multivalent metal salt coating and an anionic surfactant in contact with surfaces of pores of the porous substrate, and further comprising a pigmented ink image thereon, wherein the size of the pores of the porous substrate is at least 0.2 μ m, and is no greater than about 2.0 μ m, and wherein the pore size is a bubble point pore size measured according to ASTM F-316.

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37. (AMENDED) An inkjet receptor medium comprising:

a thermally induced phase separated microporous membrane of a synthetic polymer having a fluid management system and a pigment management system in contact with the surfaces of pores of the substrate, wherein the pigment management system comprises a multivalent metal salt coating along the surfaces of the microporous substrate, wherein the fluid management system comprises a surfactant, and further wherein the size of the pores of the

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microporous membrane is at least 0.2 μm , and is no greater than about 2.0 μm , and wherein the pore size is a bubble point pore size measured according to ASTM F-316.

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51. (AMENDED) A method of making an inkjet receptor medium comprising:

(a) preparing a pigment management system;

(b) imbining the pigment management system into pores of a thermally induced phase separated microporous membrane of a synthetic polymer, wherein the pigment management system once imbibed into pores of the microporous membrane comprises a multivalent metal salt coating along the surfaces of the pores of the microporous ^{membrane} substrate; and

(a) imbining a fluid management system into the pores of the microporous membrane wherein the fluid management system comprises a surfactant, and further wherein the size of the pores of the microporous membrane is at least 0.2 μm , and is no greater than about 2.0 μm , and wherein the pore size is a bubble point pore size measured according to ASTM F-316.